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Sequence Listing was accepted.

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Reviewer: Anne Corrigan

Timestamp: Mon Aug 13 15:16:20 EDT 2007

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Application No: 10576807

Version No: 1.1

Input Set:

Output Set:

Started: 2007-08-13 15:15:47.946

Finished: 2007-08-13 15:15:48.651

Elapsed: 0 hr(s) 0 min(s) 0 sec(s) 705 ms

Total Warnings: 10

Total Errors: 0

No. of SeqIDs Defined: 12

Actual SeqID Count: 12

Error code	Error Description
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SEQUENCE LISTING

<110> Clark, Janet

<120> METHOD FOR IDENTIFYING COMPOUNDS THAT
AFFECT EXPRESSION OF TRYPTOPHAN HYDROXYLASE ISOFORM 2

<130> 21487YP

<140> 10/576,807

<141> 2006-04-21

<150> PCT/US2004/34619

<151> 2004-10-20

<150> 60/514,268

<151> 2003-10-24

<160> 12

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 447

<212> PRT

<213> Mus musculus

<400> 1

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Gly	Leu	Ile	Lys	Val	Leu	Lys	Ile	Phe	Gln	Glu	Asn	His	Val	Ser	Leu
		35				40						45			
Leu	His	Ile	Glu	Ser	Arg	Lys	Ser	Lys	Gln	Arg	Asn	Ser	Glu	Phe	Glu
		50				55					60				
Ile	Phe	Val	Asp	Cys	Asp	Ile	Ser	Arg	Glu	Gln	Leu	Asn	Asp	Ile	Phe
65				70					75					80	
Pro	Leu	Leu	Lys	Ser	His	Ala	Thr	Val	Leu	Ser	Val	Asp	Ser	Pro	Asp
			85					90				95			
Gln	Leu	Thr	Ala	Lys	Glu	Asp	Val	Met	Glu	Thr	Val	Pro	Trp	Phe	Pro
		100					105					110			
Lys	Lys	Ile	Ser	Asp	Leu	Asp	Phe	Cys	Ala	Asn	Arg	Val	Leu	Leu	Tyr
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Gly	Ser	Glu	Leu	Asp	Ala	Asp	His	Pro	Gly	Phe	Lys	Asp	Asn	Val	Tyr
	130					135				140					
Arg	Arg	Arg	Arg	Lys	Tyr	Phe	Ala	Glu	Leu	Ala	Met	Asn	Tyr	Lys	His
145				150					155					160	
Gly	Asp	Pro	Ile	Pro	Lys	Ile	Glu	Phe	Thr	Glu	Glu	Glu	Ile	Lys	Thr
			165					170					175		
Trp	Gly	Thr	Ile	Phe	Arg	Glu	Leu	Asn	Lys	Leu	Tyr	Pro	Thr	His	Ala
		180					185					190			
Cys	Arg	Glu	Tyr	Leu	Arg	Asn	Leu	Pro	Leu	Leu	Ser	Lys	Tyr	Cys	Gly
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Pro	Arg	Asp	Phe	Leu	Ser	Gly	Leu	Ala	Phe	Arg	Val	Phe	His	Cys	Thr	245	250	255	
Gln	Tyr	Val	Arg	His	Ser	Ser	Asp	Pro	Leu	Tyr	Thr	Pro	Glu	Pro	Asp	260	265	270	
Thr	Cys	His	Glu	Leu	Leu	Gly	His	Val	Pro	Leu	Leu	Ala	Glu	Pro	Ser	275	280	285	
Phe	Ala	Gln	Phe	Ser	Gln	Glu	Ile	Gly	Leu	Ala	Ser	Leu	Gly	Ala	Ser	290	295	300	
Glu	Glu	Thr	Val	Gln	Lys	Leu	Ala	Thr	Cys	Tyr	Phe	Phe	Thr	Val	Glu	305	310	315	320
Phe	Gly	Leu	Cys	Lys	Gln	Asp	Gly	Gln	Leu	Arg	Val	Phe	Gly	Ala	Gly	325	330	335	
Leu	Leu	Ser	Ser	Ile	Ser	Glu	Leu	Lys	His	Ala	Leu	Ser	Gly	His	Ala	340	345	350	
Lys	Val	Lys	Pro	Phe	Asp	Pro	Lys	Ile	Ala	Cys	Lys	Gln	Glu	Cys	Leu	355	360	365	
Ile	Thr	Ser	Phe	Gln	Asp	Val	Tyr	Phe	Val	Ser	Glu	Ser	Phe	Glu	Asp	370	375	380	
Ala	Lys	Glu	Lys	Met	Arg	Glu	Phe	Ala	Lys	Thr	Val	Lys	Arg	Pro	Phe	385	390	395	400
Gly	Leu	Lys	Tyr	Asn	Pro	Tyr	Thr	Gln	Ser	Val	Gln	Val	Leu	Arg	Asp	405	410	415	
Thr	Lys	Ser	Ile	Thr	Ser	Ala	Met	Asn	Glu	Leu	Arg	Tyr	Asp	Leu	Asp	420	425	430	
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<210> 2

<211> 488

<212> PRT

<213> Mus musculus

<400> 2

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Ser	Leu	Thr	Gln	Asn	Lys	Ala	Ile	Lys	Ser	Glu	Asp	Lys	Lys	Ser	Gly	35	40	45	
Lys	Glu	Pro	Gly	Lys	Gly	Asp	Thr	Thr	Glu	Ser	Ser	Lys	Thr	Ala	Val	50	55	60	
Val	Phe	Ser	Leu	Lys	Asn	Glu	Val	Gly	Gly	Leu	Val	Lys	Ala	Leu	Arg	65	70	75	80
Leu	Phe	Gln	Glu	Lys	His	Val	Asn	Met	Leu	His	Ile	Glu	Ser	Arg	Arg	85	90	95	
Ser	Arg	Arg	Arg	Ser	Ser	Glu	Val	Glu	Ile	Phe	Val	Asp	Cys	Glu	Cys	100	105	110	
Gly	Lys	Thr	Glu	Phe	Asn	Glu	Leu	Ile	Gln	Leu	Leu	Lys	Phe	Gln	Thr	115	120	125	
Thr	Ile	Val	Thr	Leu	Asn	Pro	Pro	Glu	Ser	Ile	Trp	Thr	Glu	Glu	Glu	130	135	140	
Asp	Leu	Glu	Asp	Val	Pro	Trp	Phe	Pro	Arg	Lys	Ile	Ser	Glu	Leu	Asp	145	150	155	160
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gaattcaatg agctcatcca gttgctgaaa tttagacca ccattgtgac cctgaatccg 180
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aaaagcgagg acaagaaaag cggcaaagag cccggcaaag gcgacaccac agagagcagc 180
aagacagcag ttgtgtttct cttgaagaat gaagttgggt ggctggtgaa agcacttaga 240
ctattccagg aaaaacatgt caacatgctt catatcgaat ccaggcgggt ccggcgaaga 300
agtttctaagt cgaaatcttc gtggactgcg aatgtggcaa aacggaattc aatgagctca 360
tccagttgct gaaatttcag accaccattg tgaccctgaa tccgcctgag agcatttgga 420
cggaggaaga agatctcgag gatgtgccgt ggttccctcg gaagatctct gagttagaca 480
gatgctctca ccgagtcctc atgtacggca ccgagcttga tgccgaccat ccaggattta 540
aggacaatgt ctatcgacag aggaggaagt attttgtgga tgtggccatg ggctataaat 600
atggtcagcc cattcccagg gtcgagtaca cagaagaaga gactaaaact tgggggtgtg 660
tgttccggga gctctccaaa ctctaccga ctcatgcttg ccgggagtac ctgaaaaacc 720
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ggctatcggg aagacaacat cccgcaactg gaggatgtct ccaacttttt aaaagaacgc 180
actgggtttt ccatcgttc tgtggctgggt tacctctcac cgagagattt tctgtcgggg 240
ttagcctttc gagtctttca ctgcaactcag tatgtgagac acagttcaga tcccccttac 300
actccagagc cagacacctg ccatgaactc ctaggccacg ttcctctctt ggctgaaccc 360
agttttgcct aattctccca agaaattggc ctggcttccc ttggagcttc agaggagaca 420
gttcaaaaac tggcaacgtg ctactttttc actgtggagt ttgggctgtg caaacaagat 480
ggacagctga gagtctttgg ggccggcttg ctttcttcca tcagtgaact caaacatgca 540
ctttctggac atgccaaagt caagcccttt gatcccaaga ttgcctgtaa acaggaatgt 600

ctcatcacga gcttccagga tgtctacttt gtatctgaga gctttgaaga tgcaaaggag 660
aagatgagag aatttgccaa gaccgtgaag cgcccgtttg gactgaagta caaccgtac 720
acacagagtg ttcaggttct cagagacacc aagagcataa ctagtgccat gaatgagttg 780
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<400> 11

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<210> 12

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<212> DNA

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<223> Murine TPH2 probe mTPH2-1292T

<400> 12

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26